



## Department of Energy

ROCKY FLATS FIELD OFFICE  
P.O. BOX 928  
GOLDEN, COLORADO 80402-0928

JUL 21 1999

DOE-99-03445

Mr. Tim Rehder  
U.S. Environmental Protection Agency, Region VIII  
999 18<sup>th</sup> Street, Suite 500, EPR-FT  
Denver, Colorado 80202-2466

Dear Mr.Rehder:

Enclosed please find the *Closeout Report for the Source Removal at the Trench 1 Site, IHSS 108*, dated June 1999. This report was prepared to document the results of the excavation phase of a source removal conducted at the Trench 1 (T-1) site. It also includes a summary of the site reclamation activities, which included return of Investigation Derived Materials from previous site characterization activities at the Rocky Flats Environmental Technology Site. The U.S. Department of Energy Rocky Flats Field Office requests review and approval of the closeout report. Also enclosed, please find a breakdown of the Trench 1 costs for your information.

If you should have any technical questions related to this document, please contact Norma I. Castaneda at (303)966-4226 or contact me at (303)966-5918.

Sincerely,

Joseph A. Pezore

Joseph A. Legare  
Assistant Manager  
for Environment and Infrastructure

 $\frac{1}{2}$ **ADMIN RECCRD**

BZ-1108-A-00066

Mr. Tim Rehder  
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Enclosure

cc w/o Enc:

J. Rampe, DAMEI, RFFO  
R. Tyler, ERWM, RFFO  
N. Castaneda, ERWM, RFFO  
R. DiSalvo, OCC, RFFO  
L. Butler, K-H  
T. Greengard, SAIC  
S. Gunderson, CDPHE

cc w/Enc:

A. Rampertaap, EM-45, HQ  
G. Kleeman, EPA  
C. Spreng, CDPHE  
Administrative Record



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**TRENCH 1 COSTS (Fiscal years 1997-1999, through May 1999)**

	<u>Dollars, millions</u>
<b>Planning</b>	<b>\$1.65</b>
* Historical record searches, employee interviews, data evaluation, geophysical surveys	
* Procurement process/contracting/quality inspections	
* Document preparation - ACE, ASA, PAM, SAP, AJR, FHA, FIP, HASP, 17 Operations Orders	
* Training	
* readiness assessments	
<b>Site Preparation and Mobilization</b>	<b>\$1.40</b>
* Site grading, road base, fencing, power, baseline surveys	
* Equipment and materials - Trailers, excavation and waste handling equipment, waste containers, PPE, environmental monitoring instrumentation	
* Construction of weather structure and all lease payments	
<b>Implementation</b>	<b>\$4.63</b>
* Staffing - crew of 50 including support staff	
* Training drills	
* Excavation	
* Waste inerting, sampling, packaging	
* Equipment decontamination	
* Structure release survey	
* Demobilization of operating equipment	
<b>Waste Characterization</b>	<b>\$0.77</b>
* Radiological and chemical screening, gamma spectroscopy, laboratory analyses	
<b>Site Restoration</b>	<b>\$1.08</b>
* Backfill	
* Bucket removal	
* Tent dismantlement	
* Waste container management	
* Site demobilization - trailers, utilities	
* Closeout report	
<b>Waste Treatment</b>	<b>\$0.05</b>
* Pathways Analysis Report	
* Treatment to date	
<b>Total</b>	<b>\$9.58</b>